



031604

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**CERTIFICATE OF EXPRESS MAILING**

I hereby certify that this paper and the documents and/or fees referred to as attached therein are being deposited with the United States Postal Service on March 16, 2004 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR §1.10, Mailing Label Number EV333987117US, addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Lauren Kimball

Lauren Kimball

Attorney Docket No.: ALPSP149

First Named Inventor:

Hitoshi KITAGAWA

 17548 U.S.PTO
 10/802649


031604

UTILITY PATENT APPLICATION TRANSMITTAL (37 CFR. § 1.53(b))

Mail Stop Patent Application
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir: This is a request for filing a patent application under 37 CFR. § 1.53(b) in the name of inventors:
Hitoshi KITAGAWA

For: **MACH-ZEHNDER INTERFEROMETER OPTICAL SWITCH AND MACH-ZEHNDER INTERFEROMETER TEMPERATURE SENSOR**

Assigned to: ALPS ELECTRIC CO., LTD.

Application Elements:

- 54** Pages of Specification, Claims and Abstract
- 13** Sheets of formal Drawings
- 03** Pages Combined Declaration and Power of Attorney

Accompanying Application Parts:

- Do not publish this application. Nonpublication Request is attached.
- Assignment and Assignment Recordation Cover Sheet (recording fee of \$40.00 enclosed)
- 37 CFR 3.73(b) Statement by Assignee
- Information Disclosure Statement with Form PTO-1449
 - Copies of IDS Citations
- Preliminary Amendment
- Return Receipt Postcard
- Other:

Claim For Foreign Priority

Priority of Japanese Application No. 2003-113021 filed on April 17, 2003 and Japanese Application No. 2003-125352 filed on April 30, 2003 is claimed under 35 U.S.C. § 119.

- The certified copy of Japanese Application No. 2003-113021 is enclosed.
 The certified copy has been filed in prior application U.S. Application No.
 The certified copy of Japanese Application No. 2003-125352 will follow.

Fee Calculation (37 CFR § 1.16)

Applicant is entitled to Small Entity Status under 37 C.F.R. §1.27.

	(Col. 1) Total Claims		(Col. 2) Claims	(Col. 3) Present Extra	Rate	Additional Fee
TOTAL	09	MINUS	20	= 00	x 18 =	
INDEP.	02	MINUS	3	= 00	x 86 =	
[] First presentation of multiple dependent claim						\$290 =
Basic Filing Fee under 37 C.F.R. §1.16(a)				\$770 =		770.00
						TOTAL
						770.00
SMALL ENTITY 50% FILING FEE REDUCTION (if applicable)						

Check No. 21858 in the amount of \$810.00 is enclosed.

The Commissioner is authorized to charge any fees beyond the amount enclosed which may be required, or to credit any overpayment, to Deposit Account No. 500388 (Order No. ALPSP149).

General Authorization for Petition for Extension of Time (37 CFR §1.136)

Applicants hereby make and generally authorize any Petitions for Extensions of Time as may be needed for any subsequent filings. The Commissioner is also authorized to charge any extension fees under 37 CFR §1.17 as may be needed to Deposit Account No. 500388 (Order No. ALPSP149).

Please send correspondence to the following address:

Customer Number 022434

022434

Date: March 16, 2004


Steve D Beyer
Registration No. 31,234